

Title (en)

LIQUID CRYSTAL OPTICAL SWITCH WITH RELIABLE CONTROL

Title (de)

OPTISCHER FLÜSSIGKRISTALLSCHALTER MIT ZUVERLÄSSIGER STEUERUNG

Title (fr)

AIGUILLEUR OPTIQUE A CRISTAUX LIQUIDES A COMMANDE FIABLE

Publication

**EP 1292858 B1 20070404 (FR)**

Application

**EP 01945454 A 20010615**

Priority

- FR 0101874 W 20010615
- FR 0007756 A 20000616

Abstract (en)

[origin: FR2810415A1] Optical beam switch with a series of optical channels (110-150) and a series of output channels (410-450) with two liquid crystal cells. There are a series of electronic circuits connected to different zones (210-250) of the digital cells adapted to transform a command signal with a series of voltage electrode feeds.

IPC 8 full level

**G02F 1/29** (2006.01); **G02B 6/42** (2006.01); **G02F 1/1333** (2006.01); **G02F 1/31** (2006.01); **G02B 6/35** (2006.01)

CPC (source: EP US)

**G02F 1/292** (2013.01 - EP US); **G02F 1/31** (2013.01 - EP US); **G02F 1/1326** (2013.01 - EP US)

Citation (examination)

N. WOLFFER ET AL.: "Holographic switching between single mode fibres based on electrically addressed nematic liquid crystal gratings with high deflection accuracy", OPTICS COMMUNICATIONS, vol. 160, 1 February 1999 (1999-02-01), pages 42 - 46, XP004155717

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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